



COLORADO
Oil & Gas Conservation
Commission
Department of Natural Resources

1120 Lincoln Street, Suite 801
Denver, CO 80203

June 29, 2015

Attn: Ms. Tricia Pfeiffer

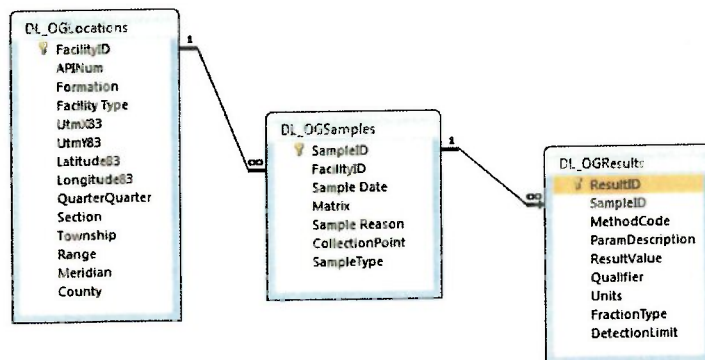
US EPA
MC: EP-EPR
1595 Wynkoop
Denver Co 80202

RE: Mamm Creek Bradenhead and Production Gas Data

Ms. Pfeiffer,

Included with this letter is an Access database that contains bradenhead and production gas samples within the Mamm Creek bradenhead monitoring area. The data contained in the database is available to the public through the COGCC website. However, the COGCC has compiled the data and imported it into an Access database specifically for this project. This particular data set is not normally available via the website and the COGCC does not intend to maintain or update the data set.

The Access database contains three related tables DL_Locations, DL_Samples and DL_Results. The DL_Location contains information regarding the location of the sampling points. The DL_samples table contains information regarding each sampling event. The DL_Results table contains the analytical results from the collected samples. The relationships between the tables and the nature of the relationships are shown in the diagram below:



P 303.894.2100 F 303.894.2109 www.colorado.gov/cogcc

Commissioners: Thomas L. Compton - Chairman, Richard Alward, John H. Benton, DeAnn Craig,

James W. Hawkins, Tommy Holton, Andrew L. Spielman, Mike King, Dr. Larry Wolk

John W. Hickenlooper, Governor | Mike King, Executive Director, DNR | Matthew J. Lepore, Director



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The three tables each have a unique field or primary key to keep each record in the table unique. The primary key field is a unique number assigned by the database. The primary key for DL_Locations is the FacilityID field, for the DL_samples it is the sampleID field and for the DL_results table it is the ResultID field.

In order to interpret the data it is likely that information from each of the three tables will have to be used in conjunction to create a meaningful query. For example to display the results of a particular sample you would have to have the FacilityID of the sample point from the DL_location table, the SampleID and Sample Date from the DL_Samples table, and results from the DL_Results table.

If you have any questions regarding the data contained in the Access database please feel free to contact me.

Sincerely,

A handwritten signature in cursive script that reads "Arthur Koepsell".

Arthur Koepsell, P.G.
Environmental Protection Specialist
arthur.koepsell@state.co.us

Inclusions: Mamm Creek Bradenhead/Production Gas data CD